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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/583,658	03/12/2007	Rachid Zegdi	2006_0999A	3730
513 7590 03/21/2008 WENDEROTH, LIND & PONACK, L.L.P. 2033 K STREET N. W. SUITE 800 WASHINGTON, DC 20006-1021				
EXAMINER MILLER, CHERYL L				
ART UNIT		PAPER NUMBER		
3738				
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/583,658

**Applicant(s)**

ZEGDI, RACHID

**Examiner**

CHERYL MILLER

**Art Unit**

3738

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 21 June 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-946)
- 3) ☒ Information Disclosure Statement(s) (PTO/SF/ICE)  
Paper No(s)/Mail Date 6/21/06
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-13 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites the limitation "the resilient action" in the last line of the claims. There is insufficient antecedent basis for this limitation in the claim. Claims 2-13 depend upon claim 1 and inherit all problems with the claim.

Claim 4 recites the limitation "the end wall" in line 2. There is insufficient antecedent basis for this limitation in the claim.

Claim 9 recites the limitation "the end wall" in line 3. There is insufficient antecedent basis for this limitation in the claim.

***Claim Rejections - 35 USC § 101***

Claim 11 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The claim positively claims a portion of the body as part of the kit, portions of the body considered non-statutory subject matter. The claim recites, "endoprosthesis being against the inside surface of a duct", which recites a positive relationship between the prosthesis and duct. It is suggested to change the above to recite --endoprosthesis for placement, adapted for placement, etc against the inside surface of a duct--.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(c) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-9, 11, and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Garrison et al. (US 6,425,916 B1). Garrison discloses a kit (fig.9) comprising a tubular endoprosthesis (8) and a prosthetic valve (6), the valve for removably implanting in the endoprosthesis (is unattached separate component, thus has capability of being removed therefrom), the valve(6) having a deformable carrier frame (26), flexible shutter (38), and centripetal compression means (100 or 34 act as means as they are capable of being grasped by a tool; further, windings of frame28, 30 or 32 may act as means also) for compressing the carrier frame. Garrison discloses the shutter (38) to be a pouch having an orifice (seen in fig.11), the kit being hemispherical at a wall (leaflets 39 form cupped surface when closed; fig.29, 30). Garrison discloses the compression means to comprise a clamp having branches (each branch being considered a strut of 28 or 30) connected at a common region (bend in frame), the branches connected to the shutter (see fig.9, 10, 29, 30) in a connection segment and the branches (struts) having a drive segment (for example 32) capable of co-operating with a clamp member (has such capability of being grasped by a tool). Garrison discloses the branches (struts of frame) to be welded together, fork shaped, and deformable (fig.9, 10, 29, 30). Garrison discloses the valve (6) to have threads (sutures (col.5, lines 44-48) connecting the pouch (38) to

the branches (struts of frame). Garrison discloses the valve (6) disposed inside the tubular endoprosthesis (8). Garrison discloses implanting the endoprosthesis (8) and valve (6) endoluminally (fig.17-19, 23-26). The valve is considered *removable* (capable of being removed).

Claims 1-3 and 11-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Vesely (US 6,530,952 B2). Vesely discloses a kit comprising a tubular endoprosthesis (10 or 100; fig.2, 10) and a prosthetic valve, the valve for removably implanting in the endoprosthesis, the valve having a deformable carrier frame (21 or 110), flexible shutter (120), and centripetal compression means (144 or 180) for compressing the carrier frame (col.13, lines 60-62). Vesely discloses the shutter (120) to be a pouch and having an orifice (seen in fig.27a). Vesely discloses the valve disposed inside the tubular endoprosthesis (fig.27a). Vesely discloses implanting the endoprosthesis (10 or 100) and valve (21 or 110) endoluminally (through a lumen) and removing the valve and replacing it with a new one (col.3, lines 11-12; col.5, lines 5-10; col.9, lines 1-5).

Claims 1, 2, 4, and 11-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Fogarty et al. (US 6,939,365 B1). Fogarty discloses a kit comprising a tubular endoprosthesis (2) and a prosthetic valve (68), the valve for removably implanting in the endoprosthesis (inserted in fig.69, 70, removed in fig.82-84), the valve (68) having a deformable carrier frame (frame shown deformed in fig.84), flexible shutter (leaflets seen in fig.69, 70; col.13, lines 1-4), and centripetal compression means (gap322) for compressing the carrier frame (figs.82-84). Fogarty discloses the shutter to be a pouch (see fig.69, 70). Fogarty discloses the valve (68) disposed inside the tubular endoprosthesis (2). Fogarty discloses implanting the endoprosthesis

and valve endoluminally (through the lumen, fig.53, 69) and removing the valve (fig.84) and replacing it with a new one (col.14, lines 25-41).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Vesely (US 6,530,952 B2). Vesely discloses a kit substantially as claimed. Vesely discloses a carrier frame (21 or 110) having a constriction strand (32; fig.24, 26, 30) engaged around the frame. Vesely has shown a frame (21, 110) and disclosed the possibility of alternate valve frame to be used with the invention (col.8, lines 24-30), however is silent to mention specifics (such as the claimed mesh frame). It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine Vesely's kit with valve frame and disclosure of alternate frame structures, with a know mesh frame, since such a frame is known in the art and would be considered an "alternate" frame structure used by Vesely.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHERYL MILLER whose telephone number is (571)272-4755. The examiner can normally be reached on Monday-Friday 7:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Corrine McDermott can be reached on (571) 272-4755. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Cheryl Miller/  
Examiner, Art Unit 3738

/Corrine M McDermott/  
Supervisory Patent Examiner, Art Unit 3738